REMARKS

Claim 1, 2, 6 and 10 are amended herein. No new matter is added as a result of the claim amendments.

112 Rejection

Claim 2 is rejected under 35 U.S.C. § 112, first paragraph. Claim 2 is amended herein to correct the cited deficiency. Accordingly, Applicant respectfully submits that the rejection of Claim 2 under 35 U.S.C. § 112, second paragraph, is traversed.

102 Rejection

Claim 10 is rejected under 35 U.S.C. § 102(b) as being anticipated by Narasimhan et al. ("Narasimhan;" US 6,446,192). Applicant respectfully notes that Narasimhan does not qualify as prior art under 35 U.S.C. § 102(b). Applicant believes the Examiner intended to cite 35 U.S.C. § 102(e). The Applicant has reviewed the cited reference and respectfully submits that the present invention as recited in Claim 10 is not anticipated nor rendered obvious by Narasimhan.

The Examiner is respectfully directed to independent Claim 10, which recites that embodiments of the present invention comprise "a web server class library and a virtual machine class library, wherein the web server class library and the virtual machine class library include classes for different web applications and for forming different application-specific web servers."

Applicant respectfully asserts that Narasimhan does not show or suggest the present invention as recited by Claim 10. The Examiner is respectfully directed to column 6, lines 50-52, of Narasimhan, which

states that an enhanced Web server is built into the network interface chip described by Narasimhan. Applicant respectfully submits that there is no showing or teaching in Narasimhan with regard to "a web server class library and a virtual machine class library, wherein the web server class library and the virtual machine class library include classes for different web applications and for forming different application-specific web servers" as recited in Claim 10. Applicant respectfully notes that the portions of Narasimhan cited by the Examiner in the instant Office Action pertain only to the creation of a graphical user interface.

In summary, Applicant respectfully submits that Narasimhan does not show or suggest the present invention as recited in Claim 10. Therefore, Applicants respectfully submit that Claim 10 traverses a rejection under 35 U.S.C. § 102(e) and is in condition for allowance.

103(a) Rejections

Claim 1, 4-7, 9, 11 and 12 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Narasimhan in view of Breslau et al. ("Breslau;" US 5,761,512). The Applicant has reviewed the cited references and respectfully submits that the present invention as recited in Claims 1, 4-7, 9, 11 and 12 is not anticipated nor rendered obvious by Narasimhan and Breslau, alone or in combination.

The Examiner is respectfully directed to independent Claim 1, which recites that embodiments of the present invention are directed to a method comprising "providing a web server class library and a virtual machine class library, wherein the web server class library and the virtual machine class library include classes for different web applications and for forming different application-specific web servers; ...

and ... compiling the web server by selecting from the web server class library and the virtual machine class library classes required to run the web application in the device to form the web server." Claims 4 and 5 are dependent on Claim 1 and recite additional limitations.

The Examiner is also respectfully directed to independent Claim 6, which recites that embodiments of the present invention comprise "a web server class library and a virtual machine class library, each including classes for different web applications for forming different application-specific web servers." Claims 7 and 9 are dependent on Claim 6 and recite additional limitations.

Applicant respectfully submits that Narasimhan does not show or suggest the present invention as recited by independent Claims 1 and 6. The Examiner is respectfully directed to column 6, lines 50-52, of Narasimhan, which states that a Web server is built into the network interface chip described by Narasimhan. Applicant respectfully submits that there is no showing or teaching in Narasimhan with regard to "a web server class library and a virtual machine class library, wherein the web server class library and the virtual machine class library include classes for different web applications and for forming different application-specific web servers" as recited in Claim 1, nor "a web server class library and a virtual machine class library, each including classes for different web applications for forming different application-specific web servers" as recited in Claim 6. Applicant respectfully notes that the portions of Narasimhan cited by the Examiner in the instant Office Action pertain only to the creation of a graphical user interface.

As discussed above, Applicant respectfully contends that Narasimhan does not show or suggest the present invention as recited in independent Claim 10.

Breslau does not overcome the shortcomings of Narasimhan. Applicant respectfully submits that Breslau, alone or in combination with Narasimhan, does not show or suggest "a web server class library and a virtual machine class library, wherein the web server class library and the virtual machine class library include classes for different web applications and for forming different application-specific web servers" as recited in independent Claim 1. In addition, Applicant respectfully submits that Breslau, alone or in combination with Narasimhan, does not show or suggest "a web server class library and a virtual machine class library, each including classes for different web applications for forming different application-specific web servers" as recited in independent Claim 6. Furthermore, Applicant respectfully submits that Breslau, alone or in combination with Narasimhan, does not show or suggest "a web server class library and a virtual machine class library, wherein the web server class library and the virtual machine class library include classes for different web applications and for forming different application-specific web servers" as recited in independent Claim 10.

In summary, Applicant respectfully asserts that the features of the present invention recited in independent Claims 1, 6 and 10 are not shown or rendered obvious by Narasimhan and Breslau (alone or in combination). Therefore, Applicant respectfully submits that Claims 1, 6 and 10 traverse the Examiner's basis for rejection under 35 U.S.C. § 103(a) and are in condition for allowance. As such, Applicant respectfully submits that Claims 4, 5, 7, 9, 11 and 12 also traverse the Examiner's basis for rejection

under 35 U.S.C. § 103(a), as these claims are dependent on allowable base claims and contain additional limitations that are patentably distinguishable over the combination of Narasimhan and Breslau.

Claim 3 and 8 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Narasimhan in view of Breslau and further in view of Madany et al. ("Madany;" US 6,199,196). The Applicant has reviewed the cited references and respectfully submits that the present invention as recited in Claims 3 and 8 is not anticipated nor rendered obvious by Narasimhan, Breslau and Madany, alone or in combination.

Claim 3 is dependent on independent Claim 1, and Claim 8 is dependent on independent Claim 6. As discussed above, Applicant respectfully contends that Narasimhan and Breslau, alone or in combination, do not show or suggest the present invention as recited in Claims 1 and 6.

Madany does not overcome the shortcomings of Narasimhan and Breslau. Applicant respectfully submits that Madany, alone or in combination with Narasimhan and Breslau, does not show or suggest "a web server class library and a virtual machine class library, wherein the web server class library and the virtual machine class library include classes for different web applications and for forming different application-specific web servers" as recited in independent Claim 1. In addition, Applicant respectfully submits that Madany, alone or in combination with Narasimhan and Breslau, does not show or suggest "a web server class library and a virtual machine class library, each including classes for different web applications for forming different application-specific web servers" as recited in independent Claim 6.

In summary, Applicant respectfully asserts that the features of the present invention recited in independent Claims 1 and 6 are not shown or rendered obvious by Narasimhan, Breslau and Madany (alone or in combination). Therefore, Applicant respectfully submits that Claims 3 and 8 traverse the Examiner's basis for rejection under 35 U.S.C. § 103(a), as these claims are dependent on allowable base claims and contain additional limitations that are patentably distinguishable over the combination of Narasimhan, Breslau and Madany.

CONCLUSION

In light of the above remarks, Applicant respectfully requests reconsideration of the rejected Claims.

Based on the arguments presented above, Applicant respectfully asserts that Claims 1-12 overcome the rejections of record and, therefore, Applicant respectfully solicits allowance of these Claims.

The Examiner is invited to contact Applicant's undersigned representative if the Examiner believes such action would expedite resolution of the present Application.

Respectfully submitted,

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Date: 1/9/03

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS

Please amend the claims as follows:

1. (Once Amended) A method of providing an embedded web server for a device, comprising the steps of:

(A) providing a web server class library and a virtual machine class library, wherein the web server class library and the virtual machine class library include classes for different web applications and for forming different application-specific web servers;

(B) identifying a particular web application to be run on the device; and

(C) compiling the web server by selecting from the web server class library and the virtual machine class library classes required to run the web application in the device to form the web server, wherein the web server is [an application-specific web server and requires minimized storage space when embedded in the device] specific to the web application.

2. (Once Amended) The method of claim 1, wherein the step (C) further comprises [the step of sending] receiving at a compiler the libraries and the web application, the compiler parsing the libraries to select the classes that correspond to the web application [through a compiler to select the required classes from the libraries].

6. (Once Amended) A system for providing a web server for a device running a web application, comprising:

(A) a web server class library and a virtual machine class library, each including classes for different web applications for forming different application-specific web servers; and

(B) a compiler that receives the libraries and the web application to select from the web server class library and the virtual machine class library classes required to run the web application in the device to form the web server such that the web server is specific to the web application [an application-specific web server and requires minimized storage space when embedded in the device].

10. (Once Amended) A web server structure for a device, comprising:

(A) a web application that performs a predetermined web function; and

(B) an application-specific web server core and an application-specific virtual machine that together execute the web application on the device, wherein the application-specific web server core and the application-specific virtual machine are compiled from a web server class library and a virtual machine class library, wherein the web server class library and the virtual machine class library include classes for different web applications and for forming different application-specific web servers [specifically configured for the application such that they require minimized storage space when embedded in the device].